

Advisory Board Quarterly Meeting Second Quarter FY10

Presented to
District Energy Advisory Board

February 18, 2010



Agenda

- 1. Call to Order
- 2. Review & Approval of Previous Meeting Minutes
- 3. Review of DES Contractor Performance
- 4. Natural Gas Purchasing Status
- 5. Financial Reports 2nd Qtr FY10
- 6. FY09-10 Budget Status Report
- 7. Capital Projects Review and Status Report
- 8. Liaison Transition of Duties
- 9. Adjourn



1. Call to Order

2. Review and Approval of Previous Meeting Minutes



3. Review of DES Contractor Performance

Contractor (CNDE) is in compliance with their contractual obligations for FY10.

- Excellent Performance No Improvement Necessary
- Satisfactory Performance Some Improvement Could Be Made
- Poor Performance Much Improvement Necessary



Summary Table 3: Customer Cost Comparison for the Previous 12 Months

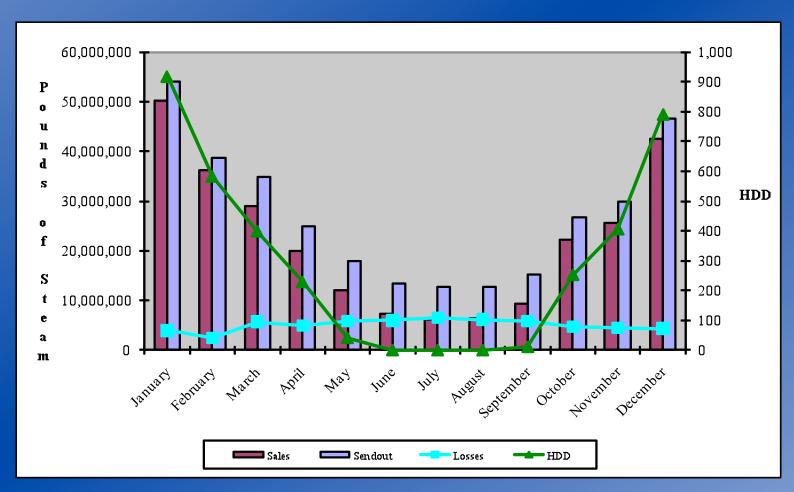
	Steam (\$ millions)			Chilled Water (\$ millions)			
	01/08 – 12/08	01/09-12 /09	% Diff.	01/08 – 12/08	01/09-12 /09	% Diff.	
Private	\$2.439	\$1.943	-20.3%	\$3.827	\$3.497	-8.6%	
State	\$3.100	\$2.513	-18.9%	\$3.257	\$3.191	-2.0%	
Metro	\$2.856	\$2.225	-22.1%	\$3.055	\$2.967	-2.9%	
Aggregate	\$8.395	\$6.681	-20.4%	\$10.139	\$9.656	-4.8%	

^{*}FY08 MFA = \$2,193,075; FY09 MFA = \$3,217,986 post-True-up; MFA not included in values shown



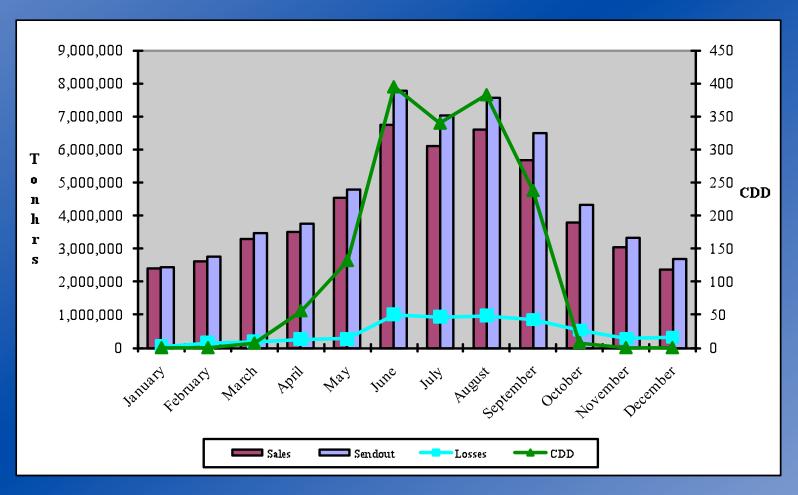
FY10 Operations: Steam





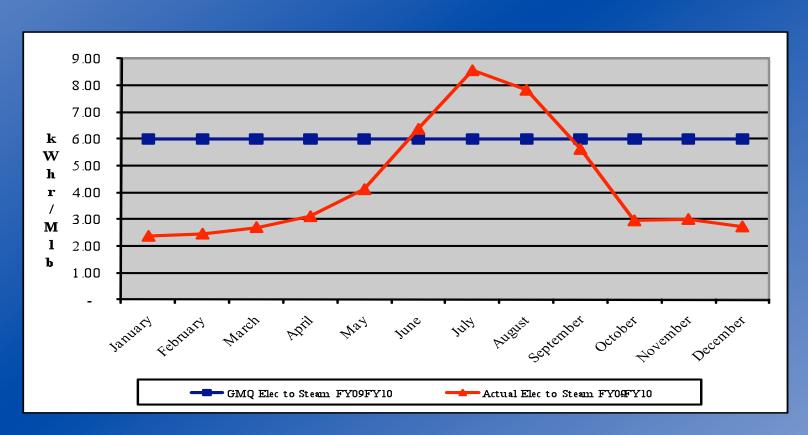


FY10 Operations: Chilled Water



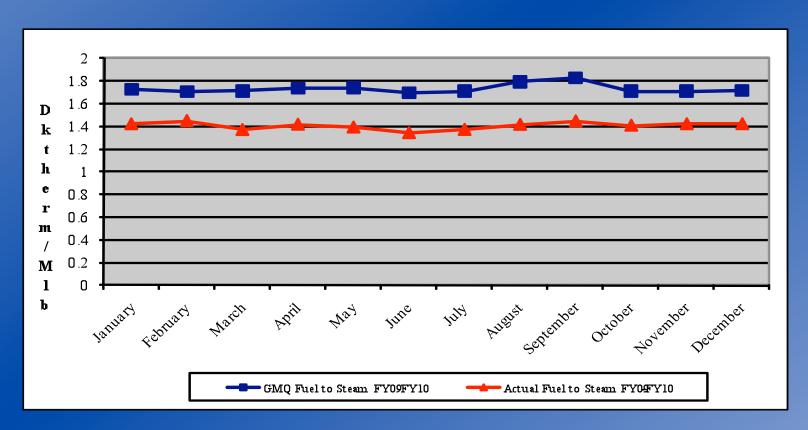


Performance Measurement FY10: Steam Electric Conversion



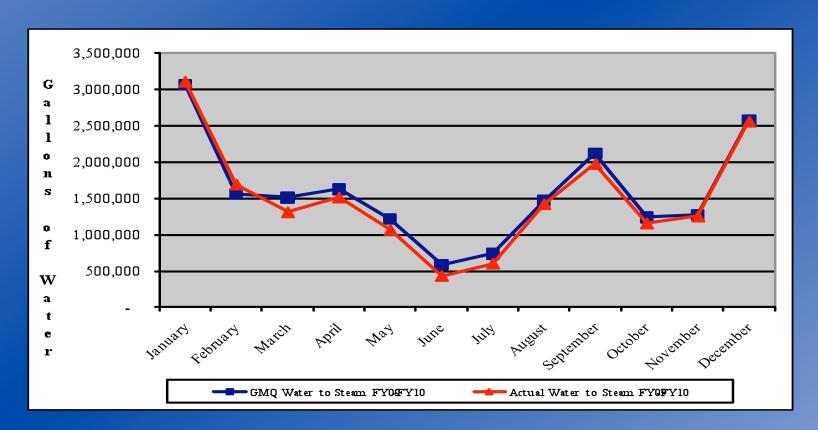


Performance Measurement FY10: Steam Plant Efficiency



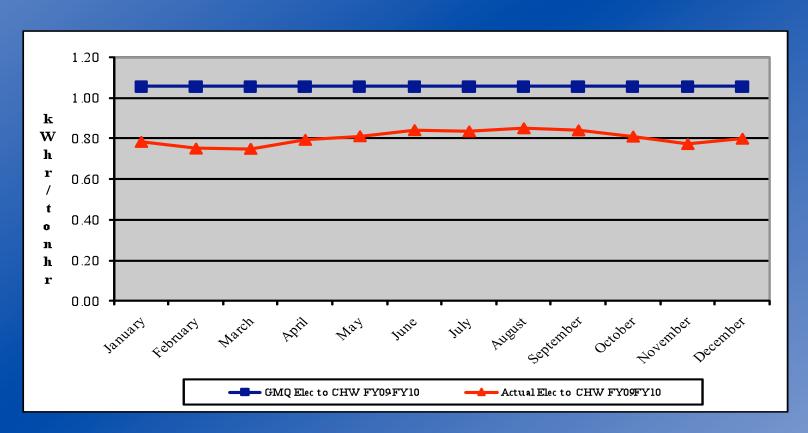


Performance Measurement FY10: Steam Water Conversion



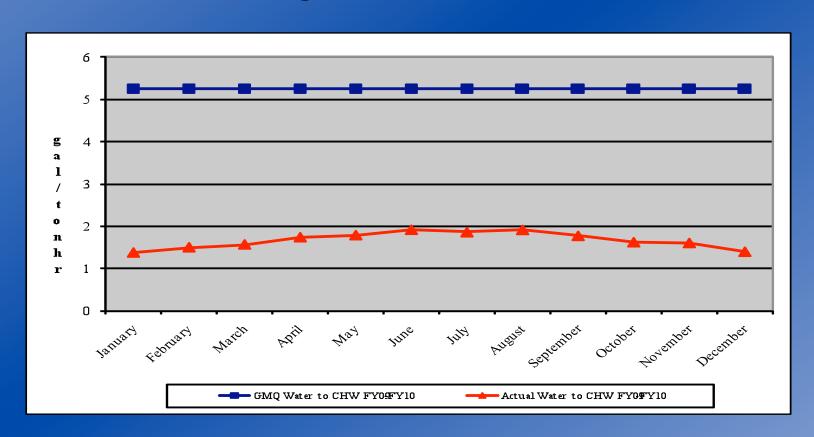


Performance Measurement FY10: Chilled Water Electric Conversion





Performance Measurement FY10: Chilled Water Water Conversion





Water Treatment

- Steam/Condensate
 - Corrosion
 - Iron
 - Hardness
 - Chlorine/Sulfite
- Condensing Water
 - Conductivity
 - Biologicals
- Chilled Water
 - Hardness
 - Corrosion
 - Biologicals



EGF Walkthrough

Quarterly Inspection Process

- Equipment Maintenance
- Operations
- Electrical
- Housekeeping
- Building Structure
- Building Exterior and Grounds



EDS Walkthrough

Quarterly Inspection Process

- Manhole/Tunnel Housekeeping
- Maintenance Items
 - Insulation Repair/Replacement
 - Water Infiltration
 - Corrosion of Structural Metal Components
- Safety Items



4. Natural Gas Purchasing Natural Gas Purchasing Review

Table 4: FY10 Gas Spending & Budget Comparison

Figure 4: Actual and Projected Gas Cost Comparison for FY10

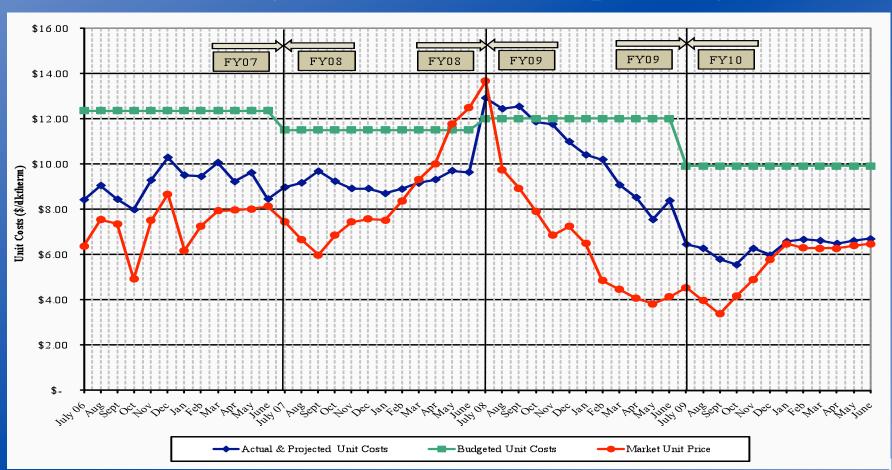


Table 4: FY10 Gas Spending & Budget Comparison

	Actual FY10 To date (Dec 31)	Budget FY10
Steam Sendout (Mlbs)	144,218	145,172
Fuel Use (Dth)	205,313	210,500
Plant Eff (Dth/Mlb)	1.424	1.450
Total Gas Cost	\$1,297,0338	\$2,068,373
Unit Cost of Fuel (\$/Dth)	\$6.317	\$9.826



Actual and Projected Gas Cost Comparison for FY10





5. Financial Reports: 2nd Qtr FY10

Item	FY10		Total Expenses		Percent of
	Budget		to Date		FY10 Budget
FOC: Basic	\$	3,976,200	\$	1,926,085	48.44%
FOC: 9th Chiller	\$	37,200	\$	18,048	48.51%
FOC: Change Order 6A	\$	73,400	\$	35,631	48.54%
FOC: Change Order 6B	\$	64,300	\$	31,194	48.51%
Chemicals	\$	161,200	\$	74,891	46.46%
Engineering	\$	26,200	\$	16,578	63.28%
Insurance	\$	43,700	\$	27,723	63.44%
Marketing: CEPS Sales Activity	\$	9,800	\$	_	0.00%
Metro Marketing	\$	35,000	\$	8,564	24.47%
Incentive Payments	\$	_	\$	_	n.a.
Project Administration	\$	24,000	\$	_	0.00%
Metro Incremental Cost	\$	<i>5</i> 26,400	\$	186,7 <i>5</i> 7	35.48%
FEA: Steam	\$	_	\$	<i>5</i> 3,980	n.a.
FEA: Chilled Water	\$	_	\$	194,436	n.a.
ARFA	\$	_	\$	27,973	n.a.
Metro Credit	\$	_	\$	(221,345)	n.a.
Water/Sewer	\$	689,600	\$	194,705	28.23%
Natural Gas/Propane	\$	4,692,900	\$	1,297,038	27.64%
Electricity	\$	5,034,100	\$	2,083,012	41.38%
EDS Repair & Improvement	\$	176,500	\$	63,339	35.89%
EDS Surcharge	\$	70,600	\$		0.00%
Sub-total Operations	\$	15,641,100	\$	6,018,610	38.48%
2002 Bonds	\$	4,362,900	\$	2,181,405	50.00%
2005 Bonds	\$	627,600	\$	168,794	26.90%
FY07 Projects	\$	227,800	\$	112,075	49.20%
FY08 Projects	\$	220,500	\$	112,075	50.83%
Debt Service Interest Revenue	\$	(123,700)	\$	(7,83 <i>5</i>)	6.33%
Oper. Reserve Funding Deposit	\$	- · -	\$		n.a.
Sub-total Debt Service	\$	5,315,100	\$	2,566,514	48.29%
Total Expenses	\$	20,956,200	\$	8,585,124	40.97%
Customer Revenues	\$	18,512,100	\$	7,405,726	40.00%
Total Metro Funding Amount	\$	2,444,100	\$	1,179,398	48.25%



6. FY2009-2010 Budget Status Review

	Spent to End of FY09	FY10 Spending	Balance to Date (01/25/10)
R&I Projects	\$764,130	\$63,718	\$518,768
2005B Bond	\$7,920,090	\$14,126	\$252,284
2007 Bond	\$2,620,771	\$0	\$237,729
2008 Bond	\$1,846,622	\$1,031,878	\$0
2010 Bond	\$0	\$18,371	\$2,391,629
Total	\$10,530,842	\$1,128,093	\$3,400,410

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7. Capital Projects Review

Active Capital Projects

- DES 060: MH Insulation in construction/ongoing
- DES 062: Replacement of Steam and Condensate Service to 120 2nd Ave. North (Wildhorse Saloon) in construction
- DES 063: Manhole A, B & M Sump Pump Installation on standby
- DES 066: 1st Avenue Manhole & Steam Line Removal from Service -in construction
- DES 073: MH-18 Condensate and Platform Modification in design
- DES 076: MH-S4A State Manhole Rebuild -in design
- DES 077: Expansion of Service to the Music City Convention Center in design

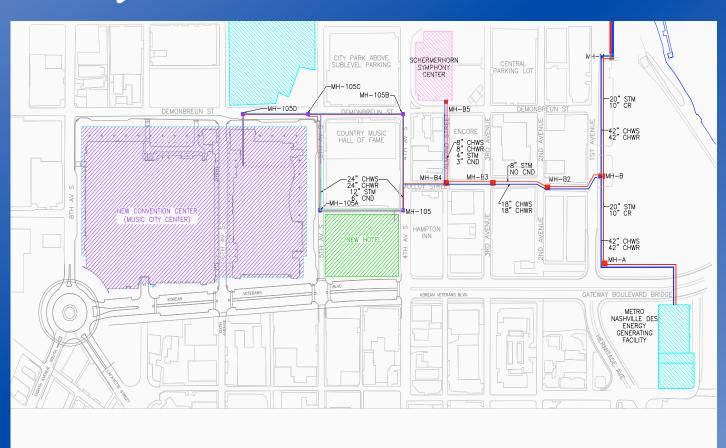


FY 2010 Proposed Projects

- DES 048: Tunnel Lighting Replacement Phase III
- DES 059: CJC Steam & Condensate Line Replacement in design
- DES 060: MH Insulation in construction/ongoing
- DES 061: Manhole & Tunnel Steel Corrosion Repair & Prevention
- DES 062: Wildhorse Stm & Cnd Line Replacement in construction
- DES 063: Sump Pump Installation in MH A, B & M on standby
- DES 066: 1st Avenue Steam Line & Manhole Removal from Service in construction
- DES 067: Tunnel Rock Repair in design
- DES 068: St Mary's Condensate Tempering/MH 10 Repair in design
- DES 069: Municipal Auditorium Condensate Tempering
- DES 070: MH 6 to 23 Condensate Line Replacement in design
- DES 071: Hermitage Hotel Service Modifications in design
- DES 072: Sheraton Hotel Steam and Condensate Replacement



Music City Center & New Hotel DES Location





Proposed Music City Center & New Hotel

- Music City Center
 - 4,000 tons
 - 35,000 pph
- New Hotel
 - 1,900 tons
 - 23,400 pph
- Est \$1,500,000 (~55%) Reduction in MFA
- No Impact on Existing Customers
- New Load Approaches EGF Capacity Limit



8. Liaison Transition of Duties

9. Adjourn